

IN THE CLAIMS

Please cancel claims 1-12 as shown below without prejudice or disclaimer as to the subject matter of claims 1-12.

Please add new claims 13-32 as shown below.

The following listing of claims 1-32 will replace all prior versions, and listings, of claims in the application:

1.-12. (Cancelled)

13. (New) A microwave antenna, comprising:

a substrate (1);

a first conductor track (51, 52) formed on an exterior of said substrate (1), said first conductor track (51, 52) for operating the microwave antenna in one of a first operating frequency band and a second operating frequency band;

a second conductor track (61, 62) formed on said exterior of said substrate (1), said second conductor track (61, 62) for operating the microwave antenna in a third operating frequency band;

a feed line (45) formed on an exterior of said substrate (1), said feed line (45) being connected to said first conductor track (51, 52) and said second conductor track (61, 62); and

a feed terminal (40) formed on an exterior of said substrate (1), said feed terminal (40) being connected to said feed line (45).

14. (New) The microwave antenna of claim 13, wherein said first conductor track (51, 52) includes:

a first conductor (51) formed on said exterior of said substrate (1) and connected to said feed line (45); and

a first metal surface (52) formed on said exterior of said substrate (1) and connected to said first conductor (51).

15. (New) The microwave antenna of claim 13, wherein said second conductor track (61, 62) includes:

a second conductor (61) formed on said exterior of said substrate (1) and connected to said feed line (45); and

a second metal surface (62) formed on said exterior of said substrate (1) and connected to said second conductor (61).

16. (New) The microwave antenna of claim 13, further comprising:

a first tuning stub (54) formed on said exterior of said substrate (1), said first tuning stub (54) for tuning said first conductor track (51, 52) to the first operating frequency band.

17. (New) The microwave antenna of claim 16, further comprising:

a second tuning stub (53) formed on said exterior of said substrate (1), said second tuning stub (53) for tuning said first conductor track (51, 52) to the second operating frequency band.

18. (New) The microwave antenna of claim 13,
wherein said substrate (1) includes a side surface
(11);

wherein at least a portion of said feed line (45)
is parallel to said side surface (11); and

wherein at least a portion of said first conductor
track (51, 52) is nonparallel to said side surface (11).

19. (New) The microwave antenna of claim 13,
wherein said substrate (1) includes a side surface
(14);

wherein at least a portion of said feed line (45)
is parallel to said side surface (14); and

wherein at least a portion of said second
conductor track (61, 62) is nonparallel to said side
surface (14).

20. (New) The microwave antenna of claim 13,
wherein said substrate (1) includes a side
surface (13);

wherein at least a portion of said feed line (45)
is formed on said side surface (13); and

wherein at least a portion of said first conductor
track (51, 52) is adjacent to said side surface (11).

21. (New) The microwave antenna of claim 13,
wherein said substrate (1) includes a side
surface (12);

wherein at least a portion of said feed line (45)
is formed on said side surface (12); and

wherein at least a portion of said second conductor
track (61, 62) is adjacent to said side surface (12).

22. (New) A microwave antenna, comprising:

a substrate (1) including a side surface (11);

a first conductor track (51, 52) formed on an exterior of said substrate (1), wherein at least a portion of said first conductor track (51, 52) is nonparallel to said side surface (11);

a second conductor track (61, 62) formed on said exterior of said substrate (1), wherein at least a portion of said second conductor track (61, 62) is nonparallel to said side surface (11);

a feed line (45) formed on said exterior of said substrate (1), said feed line (45) being connected to said first conductor track (51, 52) and said second conductor track (61, 62), wherein at least a portion of said feed line (45) is parallel to said side surface (11); and

a feed terminal (40) formed on an exterior of said substrate (1), said feed terminal (40) being connected to said feed line (45).

23. (New) The microwave antenna of claim 22, wherein said first conductor track (51, 52) includes:

a first conductor (51) formed on said exterior of said substrate (1) and connected to said feed line (45); and

a first metal surface (52) formed on said exterior of said substrate (1) and connected to said first conductor (51).

24. (New) The microwave antenna of claim 22, wherein said second conductor track (61, 62) includes:

a second conductor (61) formed on said exterior of said substrate (1) and connected to said feed line (45); and

a second metal surface (62) formed on said exterior of said substrate (1) and connected to said second conductor (61).

25. (New) The microwave antenna of claim 22, further comprising:

a first tuning stub (54) formed on said exterior of said substrate (1), said first tuning stub (54) for tuning said first conductor track (51, 52) to a first operating frequency band.

26. (New) The microwave antenna of claim 25, further comprising:

a second tuning stub (53) formed on said exterior of said substrate (1), said second tuning stub (53) for tuning said first conductor track (51, 52) to a second operating frequency band.

27. (New) A microwave antenna, comprising:

a substrate (1) including a first side surface (13);

a first conductor track (51, 52) formed on an exterior of said substrate (1), wherein at least a portion of said first conductor track (51, 52) is adjacent said first side surface (13);

a second conductor track (61, 62) formed on said exterior of said substrate (1);

a feed line (45) formed on said exterior of said substrate (1), said feed line (45) being connected to said first conductor track (51, 52) and said second conductor track (61, 62), wherein at least a portion of said feed line (45) is formed on said first side surface (13); and

a feed terminal (40) formed on an exterior of said substrate (1), said feed terminal (40) being connected to said feed line (45).

28. (New) The microwave antenna of claim 27, wherein said first conductor track (51, 52) includes:

a first conductor (51) formed on said exterior of said substrate (1) and connected to said feed line (45); and

a first metal surface (52) formed on said exterior of said substrate (1) and connected to said first conductor (51).

29. (New) The microwave antenna of claim 27, wherein said second conductor track (61, 62) includes:

a second conductor (61) formed on said exterior of said substrate (1) and connected to said feed line (45); and

a second metal surface (62) formed on said exterior of said substrate (1) and connected to said second conductor (61).

30. (New) The microwave antenna of claim 27, further comprising:

a first tuning stub (54) formed on said exterior of said substrate (1), said first tuning stub (54) for tuning said first conductor track (51, 52) to a first operating frequency band.

31. (New) The microwave antenna of claim 30, further comprising:

a second tuning stub (53) formed on said exterior of said substrate (1), said second tuning stub (53) for tuning said first conductor track (51, 52) to a second operating frequency band.

32. (New) The microwave antenna of claim 27,

wherein said substrate (1) further includes a second side surface (12); and

wherein at least a portion of said second conductor track (61, 62) is adjacent said second side surface (12).